

ABSTRACT OF THE DISCLOSURE

A light source including at least one laser diode module and a heat pipe having a heat absorbing portion and a heat radiating portion. The laser diode module includes a metal substrate mounting a laser diode chip and an optical component, and a peltier device thermally connected with the metal substrate. The heat absorbing portion of the heat pipe is thermally connected with the metal substrate. The heat radiating portion of the heat pipe is thermally connected with the peltier device. The light source preferably includes a plurality of densely placed laser diode modules, each of which has an output of at least 100 mW. The light source also preferably includes a plurality of heat pipes having heat radiating fins on the heat radiating portions thereof.